



JC14 Rec'd PCT/PTO 21 MAY 2002

146.1353

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: :  
ANITA DIU-HERCEND et al :  
Serial No.: 09/674,109 :  
Filed: October 24, 2000 :  
For: METHOD...FROM S. CEREVISIAE :

600 Third Avenue  
New York N.Y. 10016  
May 21, 2002

RESPONSE

Asst. Commissioner for Patents  
Washington, D.C. 20231

Sir:

Responsive to the notice of missing parts with respect to the sequence listing, Applicants are submitting herewith a paper copy of the sequence listing and a computer diskette in computer readable form. The content of the paper and the disk are the same and where applicable, include no new matter as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). Also enclosed is a copy of the notice. Therefore, it is believed that the filing of the application is complete and it is requested that the application be forwarded to the group for examination in due course.

Respectfully submitted,  
Bierman, Muserlian and Lucas

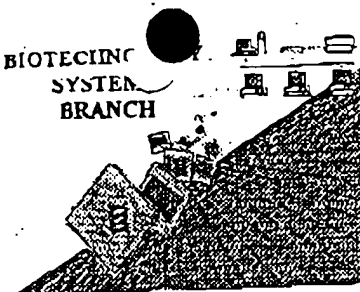
By:

Charles A. Muserlian  
Charles A. Muserlian #19,683  
Attorney for Applicants  
Tel.# (212) 661-8000

Should any extensions of time or fees be necessary in order to maintain this application in pending condition, appropriate requests  
CAM:ds are hereby made and authorization is given to debit  
Enclosures account #02-2275

Donald C. Lucas  
Donald C. Lucas 31,275

09/674,109  
1353  
200  
EV 068844  
MAY 21, 2002  
May 21, 2002  
D. Muserlian

BIOTECHNICAL  
SYSTEM  
BRANCH

## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/674,109

Source: RET 09

Date Processed by STIC: 5-29-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703 308 4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW:

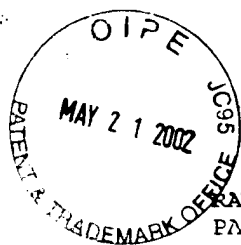
### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>



PCTO

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/674,109

DATE: 05/29/2001  
TIME: 15:37:28

Input Set : A:\SeqListing.APP.txt  
Output Set: C:\CRF3\05292001\I674109.raw

Does Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: HOECHST MARION ROUSSEL  
5 <120> TITLE OF INVENTION: METHOD FOR SCREENING ANTIMYCOTIC SUBSTANCES USING  
6 ESSENTIAL GENES FROM S.CEREVISIAE  
8 <130> FILE REFERENCE: 1G3G3PC RUU 7  
-> 10 <140> CURRENT APPLICATION NUMBER: US/09/674,109  
-> 11 <141> CURRENT FILING DATE: 2000-11-22  
13 <150> PRIOR APPLICATION NUMBER: 98402254.1  
14 <151> PRIOR FILING DATE: 1998-09-11  
16 <150> PRIOR APPLICATION NUMBER: 98401007.4  
17 <151> PRIOR FILING DATE: 1998-04-24  
-> 19 <160> NUMBER OF SEQ ID NOS: 100  
21 <170> SOFTWARE: PatentIn ver. 2.1

-> See p. 3

## ERRORS SEQUENCES

1337 <210> SEQ ID NO: 106  
1338 <211> LENGTH: 62  
1339 <212> TYPE: DNA  
1340 <213> ORGANISM: Artificial Sequence  
1342 <220> FEATURE:  
1343 <223> OTHER INFORMATION: Description of Artificial Sequence: primer  
1344 YML049c-S1  
1346 <400> SEQUENCE: 106  
-> 1347 aattctctgct cattcaagga aagtctcagg aattttttaa agatgaagc ttctgaagc 59  
1474 <210> SEQ ID NO: 117  
1475 <211> LENGTH: 59  
1476 <212> TYPE: DNA  
1477 <213> ORGANISM: Artificial Sequence  
1479 <220> FEATURE:  
1480 <223> OTHER INFORMATION: Description of Artificial Sequence: primer  
1481 YMR211w-S2  
1483 <400> SEQUENCE: 117  
1484 atttcaatca tcttactcgg tgaatcaggt tcggaatgat gcataggcca ctagtggatc 60  
-> 1485 tg 62  
2265 <210> SEQ ID NO: 180  
2266 <211> LENGTH: 62  
2267 <212> TYPE: DNA  
2268 <213> ORGANISM: Artificial Sequence  
2270 <220> FEATURE:  
2271 <223> OTHER INFORMATION: Description of Artificial Sequence: primer  
2272 YPR137w-S2  
2274 <400> SEQUENCE: 180  
2275 aaaagcctgt ttggtcaatg acagctgaal atataccatt gcataggcca ctagtggatc 60  
2276 tg 62  
-> 2279 imer  
-> 2280 ymr290c s1

-> See p. 3

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/674,109

DATE: 05/29/2001

TIME: 15:37:29

Input Set : A:\SeqListing.APP.txt

Output Set: C:\CRF3\05292001\I674109.raw

~~--> 2282 <210> SEQ ID NO:  
--> 2282 <211> LENGTH:  
--> 2282 <212> TYPE:  
--> 2282 <213> ORGANISM:  
--> 2282 <400> SEQUENCE: 105  
2283 tgagttttac gtcttttggg atttggcgtt ttccactga cagctgaagc ttctacgc 59  
2285 <210> SEQ ID NO: 106  
2286 <211> LENGTH: 62  
2287 <212> TYPE: DNA  
2288 <213> ORGANISM: Artificial Sequence  
2290 <220> FEATURE:  
2291 <223> OTHER INFORMATION: Description of Artificial Sequence: primer  
2292 YML049c-S1  
2294 <400> SEQUENCE: 106  
--> 2295 aattcctgct cattcaagga agtctcagg aaatttca cagctgaagc ttctacgc 59  
2422 <210> SEQ ID NO: 117  
2423 <211> LENGTH: 59  
2424 <212> TYPE: DNA  
2425 <213> ORGANISM: Artificial Sequence  
2427 <220> FEATURE:  
2428 <223> OTHER INFORMATION: Description of Artificial Sequence: primer  
2429 YMR211w-S2  
2431 <400> SEQUENCE: 117  
2432 atttcaatca tcttctcagg tgaatcaggt tcggaatgat gcatagccca ctatgqatc 60  
--> 2433 tg 62~~

↑  
*Disregard, these are errors due  
to the duplication of sequences 105  
to 153 as shown on p. 3.*

09/674,109

p. 3

<210> 180 → Seq. 180 - listed as last on the file.  
 <211> 62  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: primer  
 YER137W-S2

<400> (100)  
 aaaagcctgt ttggtcaatg acagctgaat atataccatt gcattaggcca ctactgggata 60  
 tg

After sequence 180, the listing starts  
 over at sequence # 105 and goes to

delete ~~primer~~ ~~YMR290c-S1~~

→ sequence # 153. All of this duplication  
 must be deleted from the file.

<400> (105)  
 tgaattttac gtctttttggt atttggcggt ttccactgg cagctgaagc ttcttaccgc 50

<210> 106  
 <211> 62  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: primer  
 YML049c S1

<400> 106  
 aattcctgct cattcaagga aagttctcagg aaattttcac cagctgaagc ttcttaccgc 50

<210> 107  
 <211> 62  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: primer  
 YMR290c-S2

<400> 107

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/674,109

DATE: 05/29/2001

TIME: 15:37:30

Input Set : A:\SeqListing.APP.txt

Output Set: C:\CRF3\05292001\1674109.raw

:10 M:270 C: Current Application Number differs, Replaced Application Number  
:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
:1347 M:252 E: No. of Seq. differs, <211>LENGTH:Input:62 Found:59 SEQ:106  
:1405 M:252 E: No. of Seq. differs, <211>LENGTH:Input:59 Found:62 SEQ:117  
:2279 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
:2280 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:160  
:2280 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:68 SEQ:180  
:2280 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:4  
:2280 M:112 C: (48) String data converted to lower case,  
:2280 M:252 E: No. of Seq. differs, <211>LENGTH:Input:62 Found:68 SEQ:180  
:2282 M:282 W: Numeric Field Identifier Missing, <210> is required.  
:2282 M:282 W: Numeric Field Identifier Missing, <211> is required.  
:2282 M:282 W: Numeric Field Identifier Missing, <212> is required.  
:2282 M:282 W: Numeric Field Identifier Missing, <213> is required.  
:2282 M:212 S: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:180 differs:105  
:2295 M:252 E: No. of Seq. differs, <211>LENGTH:Input:62 Found:59 SEQ:106  
:2433 M:252 E: No. of Seq. differs, <211>LENGTH:Input:59 Found:62 SEQ:117  
:19 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (180) Counted (228)